



THE GARZETTE

W4GR

Volume 17, Issue 02

147.075+

444.525+5mhz

53.110 -1mhz

From the Presidents Mic!



QST! QST! de **WA4ZXV, Norm Schklar**

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This message approved by Norm Schklar, President, Gwinnett Amateur Radio Society!

Inside this issue:

From the President's Mic	1	Many of you think that the officers are selected by default. Who else would want the responsibility of ensuring that the club is run in a manner as dictated by the bylaws, makes reasonable decisions as to programming, finances, encourages member participation, member retention and member recruitment and manages the meeting process to assure promptness and order.
Calendar	2	Well, even if by default, we appreciate the trust and confidence bestowed upon us. We take pride in trying to keep GARS one of the most interesting, fun and meaningful activities of your Amateur Radio life.
VE Sessions and Club Meetings	3	At our last meeting, it was brought to our attention that our Elmer program has just about disappeared. Sure, there are a lot of you that help others with their radio situations, but we're not making it easy enough to find help when help is needed. So, at our next meeting, please let one of the officers know if you feel you have the inclination to help others with their radio questions. It's not always a technical question; sometimes it's just procedural or informational. Over the next couple months, let's get together and publish a new list of Elmers. For those of you that don't know, an Elmer is a mentor or teacher to the ham radio community. Someone you can ask a question and expect a knowledgeable answer.
Meeting Minutes	4	Field Day isn't all that far off. Be sure to reserve some time on your calendar for the 28 th and 29 th of June. We'll get together for some fun radio operating and emergency preparedness. You can read about GARS Field Day on the web site.
Tub of Tubes	5	Thanks to everyone that put in a few hours at the Dog Show. Special thanks to David (KA4KKF) for assigning and aligning our limited resources for the best results.
INFO	6	Our program for February is <i>For the Love of QRP</i> - Mike Boatright (KO4WX) will give a presentation on low power communications.
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Sponsors	11	73 Norm (WA4ZXV)

February 2008

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 Dog Show	2 Dog Show
3 Dog Show	4 2 m Club net @ 2000	5	6 6m Club net @ 2100	7	8	9 Breakfast 0730
10	11 2 m Club net @ 2000	12 club meeting 7:30 pm	13 6m Club net @ 2100	14	15	16 Breakfast 0730
17	18 2 m Club net @ 2000	19	20 6m Club net @ 2100	21	22	23 Breakfast 0730
24	25 2 m Club net @ 2000	26	27 6m Club net @ 2100	28	29	

The GARZETTE

The GARZETTE is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word format or email to ka4kkf@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary. In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of *The GARZETTE* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and to *The GARZETTE*.

GARS Recurring Calendar

- Monthly club meeting is the 2nd Tuesday of the month at 7:30 PM. Check the Web Site for Location.
- Every Monday at 8 PM local time: GARS Want, Swap, Sell, and Information Net on the GARS 2 meter repeater
- Every Wednesday at 9 PM local time: GARS 6 meter net on the GARS 6 meter repeater
- Every Saturday at 7:30 AM local time: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville
- 20th of each month: Deadline for submittal of articles for the following month's GARZETTE

nominating committee report as follows:

President: Norn Schklar, WA4ZXV (incumbent),
 Vice-President: Earl Whatley, AF4FG (incumbent),
 Secretary: Randy Collins, N4COR (incumbent),
 Program Manager: Kyle Albritton, W4KDA,
 Treasurer: Dick Sandberg, N9SJX

The GARZETTE is published each month with the assistance of Hal Manning, who prints the news letter. Rick Patchin, KD4RFK does the final production work on *The GARZETTE* by folding & labeling. Bill Cherepy, WB4WTN, stamps and gets the end product to the Post Office each month. Norm Schklar, wa4zxv, manages email delivery. Many thanks to each of them and all article contributors. Deadline for submissions is the 20th of each month for inclusion in the following month's issue.

For any additional information contact:
 Newsletter Editor:

David Adcock ka4kkf
 (770-271-9398)
ka4kkf@arrl.net

All correspondence relating to articles posted in *The GARZETTE* or for information concerning advertising rates should be directed to the following address:

Gwinnett Amateur Radio Society
 P.O. Box 88
 Lilburn, GA 30048
 Attn: Newsletter Editor

Metro Atlanta VE Exam Schedule

GARS publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at www.arrl-ga.org

First Saturday, Even Months

9:00AM
EOC Building
Butch Nitz, AF4FS
(770) 968-8780

First Wednesday

7:00 PM
ARRL/VEC
Roberts School
4681 School Street,
Acworth
Jodi Escher AG4BK
770-387-1591

Second Tuesday

7:00PM
Walton EMC
3645 Lenora Church Rd,
Snellville
Wayne Taylor, WD4CCA
(770) 498-7759

Second Saturday, Odd Months

ARRL VEC
8:30 AM
Stone Mountain Methodist
Church
5312 West Mountain St.
Stone Mountain
Bob Varone, W4ETN
(770) 978-3179

Third Saturday

CA VEC
9:00AM
Marietta First United
Methodist Church Room 305,
56 Whitlock Ave
Marietta
David Still, WB4RRD
(770) 973-2566

Fourth Tuesday

ARRL VEC
7:00 PM
United Way Service Center
6279 Fairburn Road,
Douglasville

Third Sunday

W5YI VEC
3:00 - 5:00 PM
Gwinnett County Public
Library
2780 Five Forks Trickum Rd
Lawrenceville, GA 30044
770-963-5721

Fourth Sunday

2:30 PM
Georgia Tech Student Center
Room 301
David Ziskind, KE4QLH
(404) 966-6864

Metro Atlanta Club Meetings**First Tuesday**

Kennehoochee ARC
Southern Polytechnic
State University
Meeting begins at 7:30 PM
Talk In 146.880(-)

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical
Engineering Bldg.
Georgia Tech Campus
Meeting at 7:00 PM

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30 PM
Talk In -146.820(-)

N.E. Georgia ARC

Commerce Public Library
Meeting is at 6:30 PM
Talk In - 147.225(+)
PL 123.0

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Intersection of Annistown Rd
& Spain Rd
Stone Mountain
Dinner at 6:00 PM
Meeting at 7:30 PM
Talk In - 146.760(-)

Third Tuesday**North Fulton Amateur Radio League**

Alpharetta EOC located at
2970 Webb Bridge Road, in Alpharetta
meeting at 7:30 PM
Talk In - 145.47(-)

First Saturday**North GA QRP Club**

Wieuca Baptist Church on
Peachtree Rd/Wieuca, 10 AM

January, 2008 GARS General Meeting**January 8, 2008**

The president, Norm Schklar, WA4ZXV, called the meeting to order at 7:30.

A moment of silence was observed for Howie Gould, W9HG, who passed away on January 4, 2008. Howie was a three time president of GARS, mentored hundreds of people, conducted regular VE exams and was a giant of a Ham that will be missed by all.

Dozier Griffith, WA4DEO, was recognized for having upgraded to Extra Class.

Introductions of those present were made.

Kyle Albritton, W4KDA, announced that he and his wife Karen, KI4HPP, are expecting their first child later this year.

Norm announced that elections are to be held at the February meeting and gave the nominating committee report as follows:

President:	Norn Schklar, WA4ZXV (incumbent),
Vice-President	Earl Whatley, AF4FG (incumbent),
Secretary	Randy Collins, N4COR (incumbent),
Program Manager	Kyle Albritton, W4KDA,
Treasurer	Dick Sandberg, N9SJX

There were three mini-programs:

Steve Back, WB2OGY, presented the Venture Crew 73 Escape Weekend with the help of three members of the crew.

Ed Woodrick, WA4YIH, discussed the upgrades to the repeater site to accommodate D-Star and the new call sign WD4STR

Susan Swiderski, AF4FO, gave a talk about mentoring and Elmers

Break

Dave Bruse, W4DTR, program manager, reported that the February program would be by Mike Boatright, KO4WX, on QRP operations and the March meeting would be on the Strange Antenna Challenge.

David Adcock, KA4KKF, gave an update on TechFest which will be held Saturday, January 12.

Amy Woodrick, KE4IKF, treasurer, gave the financial report and announced that the Dog Show is coming up the first weekend in February and a sign-up sheet was passed around.

Field Day is the 4th weekend in June and the Georgia QSO party is April 12 and 13.

There was no old or new business.

Prize drawings were held.

The meeting was adjourned at 9:05.

Prepared by Randy Collins, N4COR, secretary

Tubs of Tubes

by Dan Romanchik, KB6NU

The other day I got a call from a guy whose website I'm working on. He says he's calling from the Ann Arbor Reuse Center and that they have two tubs full of vacuum tubes there. He asked, "Do you know anyone who might want them"?

"How much are they asking for them"? I reply.

"Ten cents a piece."

"How many are there"?

"I'd guess about two hundred."

"Well, tell them I'll give him 20 bucks for all of them."

He tells them that I'll give them \$20 for the lot. I hear some mumbling. He comes back on the line and says they're negotiating. After a minute or two, he says, "OK. You got them. How do I get to your house"?

I gave him directions, and in about 15 minutes, he pulls up to my house, gets out, opens the hatch, and pulls out two plastic tubs and a cardboard box with vacuum tubes in them. I can tell he was way off in his estimate. There must be at least 400 tubes in all.

There's nothing really exotic--most of them seem to have been taken out of old TV sets--but I did find a couple of 6J6s. These are the tubes used for the single-tube transmitter I have been thinking about building (see http://wv7g.home.mindspring.com/jones_6j6.html for more info). In one of the tubs, there was even a socket for the 6J6.

There are also a bunch of 6KS7s. According to the RCA tube manual, these tubes were often used as RF or IF amplifiers. That sounds like the beginning of a receiver project, doesn't it? In fact, 6SK7s were used in the receiver section of the ParaSet (<http://www.mines.uidaho.edu/~glowbugs/paraset.htm>), a "spy radio" used during WWII.

And, of course, there are a bunch of rectifiers to make a power supply. Now, all I have to find some cheap transformers. Anyone know a good source for them?

When he's not wondering what he's going to do with more than 400 vacuum tubes, KB6NU works CW and PSK on the HF bands and blogs about ham radio at www.kb6nu.com. You can reach him by e-mail at cwgeek@kb6nu.com.

[[NOTE: A photo of one of the tubs can be had off my website at <http://kb6nu.com/wp-content/uploads/2007/12/tuboftubes.jpg>

Beargrease Amateur Radio Coalition

By: Brady Smith

There are plenty of race results to keep track of, during the John Beargrease Sled Dog Marathon. B.A.R.C., or the Beargrease Amateur Radio Coalition, are the ones who do it. These amateur or "ham" radio operators take their hobby seriously, but have fun doing it.

Their control center, called "net control," is set up in the basement of Billy's Bar this year. It's where all of the marathon's vital statistics and course conditions are tracked, called in from radio operators stationed along the trail.

Some of B.A.R.C.'s members have dabbled in radio for decades, such as Tim Davich, who got interested when he served in the military. "It's something fun, being able to talk to people in different areas." Bob Lindberg, who has volunteered with the coalition for years, worked the Finland checkpoint this year. He calls net control whenever a team comes through, with their bib numbers and times. "I've been enjoying myself with the mushers, handlers, and other people coming in."

While all of B.A.R.C.'s members enjoy a good laugh or some playful chitchat over the air waves, they take pride in their work, and in knowing that they provide a needed service to the Beargrease, and many other events in the Northland. Those include the Superior Dragon Boat Races, and Grandma's Marathon.

Davich says it's that pride that gives him joy, volunteering with radio in-hand. "Without amateur radio, the race would have trouble getting communications to places without cell phone service."

Upcoming Hamfest in the area.

Feb. 23 Dalton Hamfest #26
Dalton Amateur Radio Club (W4DRC)
North Georgia Fairgrounds - Dalton, GA
<http://W4DRC.com>

Mar. 15 55th Annual Kennehoochee Hamfest Kennehoochee Amateur Radio Club
Jim R. Miller Park - Marietta, GA
<http://www.w4bti.org>

April 26 Calhoun Hamfest Cherokee Capital Amateur Radio Society
<http://www.k4woc.com>
Sugar Valley Community Center
Sugar Valley, GA

June 7 Georgia Section Convention
Atlanta Radio Club (W4DOC)
Marietta, GA Jim Miller Park
<http://www.atlantahamfest.com>

July 12 Lanierland ARC
<http://www.lanierlandarc.org>
Gainesville, GA

August 9 Ellijay Ham Fest 2008
Ellijay Lions Club
Ellijay Amateur Radio Society (W4HHH)
<http://www.qsl.net/w4hhh/>

==>SOLAR UPDATE

Tad "Let not the Sun go down and disappear into darkness" Cook, K7RA, this week reports: After a solid week of sunspots -- January 29 to February 4 -- the following three days have been blank. February 2 was an active geomagnetic day with a solar wind stream spewing from a coronal hole near sunspot 982. Another solar wind stream from a coronal hole is expected to strike Earth on Sunday, February 10 causing unsettled conditions. The predicted planetary A index for February 8-15 is 8, 12, 15, 10, 10, 10, 10 and 5. That was from NOAA and the US Air Force; Geophysical Institute Prague predicts unsettled conditions February 8, unsettled to active February 9-10 and unsettled again on February 11-14. The Australian Space Forecast Centre's geomagnetic forecast expects mostly unsettled to active conditions with storm periods possible at high latitudes on February 9, and mostly unsettled with isolated active periods and storm levels at high latitudes on February 10.

Following this weekend, NOAA predicts the next active conditions around February 28-29. Their prediction for solar flux is flat at 70 for each of the next 45 days; this probably indicates little or no sunspot activity. Sunspot numbers for January 31-February 6 were 15, 19, 16, 14, 14, 0 and 0 with a mean of 11.1. The 10.7 cm flux was 72, 71.1, 71.8, 71, 71.3, 70.5 and 71.6 with a mean of 71.3. Estimated planetary A indices were 5, 18, 19, 12, 6, 3 and 4 with a mean of 9.6. Estimated mid-latitude A indices were 3, 10, 19, 10, 6, 2 and 2 with a mean of 7.4.

For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <<http://www.arrl.org/tis/info/propagation.html>>. To read this week's Solar Report in its entirety, check out the W1AW Propagation Bulletin page <<http://www.arrl.org/w1aw/prop/>>.

==>IN BRIEF:

* This Weekend on the Radio: Be sure to check out the ARRL School Club Roundup February 11-February 15. This weekend, the NCCC Sprint is February 8. On February 9, look for the Asia-Pacific Spring Sprint (CW), the FISTS Winter Sprint and another running of the NCCC Sprint. The CQ WW RTTY WPX Contest, the Dutch PACC Contest, the KCJ Topband Contest, the YLRL YL-OM Contest (SSB), the Louisiana QSO Party, the OMISS QSO Party, RSGB 1st 1.8 MHz Contest (CW) and the British Columbia QSO Challenge are all February 9-10. The North American Sprint (SSB) and the SKCC Weekend Sprintathon are February 10. The NAQCC Straight Key/Bug Sprint and the RSGB 80 Meter Club Championship (Data) are both February 13. Next weekend is the ARRL International DX Contest CW on February 16-17. Look for the NCCC Sprint on February 15 and the Feld Hell Sprint on February 16. The Run for the Bacon QRP Contest is February 18, the AGCW Semi-Automatic Key Evening is February 20 and the RSGB 80 Meter Club Championship (CW) is February 21. See the ARRL Contest Branch page <<http://www.arrl.org/contests/>>, the ARRL Contester's Rate Sheet <<http://www.arrl.org/contests/rate-sheet/>> and the WA7BNM Contest Calendar <<http://www.hornucopia.com/contestcal/index.html>> for more info.

* ARRL Continuing Education Course Registration: Registration remains open through Sunday, February 24, 2008 for these online course sessions beginning on Friday, March 7, 2008: Technician License Course (EC-010); Amateur Radio Emergency Communications Level 1 (EC-001); Radio Frequency Interference (EC-006), Antenna Design and Construction (EC-009); Analog Electronics (EC-012), and Digital Electronics (EC-013). Each online course has been developed in segments -- learning units with objectives, informative text, student activities and quizzes. Courses are interactive, and some include direct communications with a Mentor/Instructor. Students register for a particular session that may be 8, 12 or 16 weeks (depending on the course) and they may access the course at any time of day during the course period, completing lessons and activities at times convenient for their personal schedule. Mentors assist students by answering questions, reviewing assignments and activities, as well as providing helpful feedback. Interaction with mentors is conducted through e-mail; there is no appointed time the student must be present -- allowing complete flexibility for the student to work when and where it is convenient. To learn more, visit the CCE Course Listing page <<http://www.arrl.org/cce/courses.html>> or contact the Continuing Education Program Coordinator <cce@arrl.org>.

Do you know a boy or girl
14 to 21 years old
who wants to:

Climb, Hike
Canoe, Camp
Talk on an amateur radio
Have Fun
Tell them about

Venture Crew 73

**We meet the second Tuesday
of each Month at 7:00PM
prior to the GARS meeting at
St. Marguerite D'Youville
Church..**

For more information Visit
www.gars.org/crew73
or contact Ray Back:

Email crew73@gars.org
Phone (770) 295-9174

GARS Communication System

70 Cm Repeater

444.525(+) MHz
82.5 PL Tone

APRS

144.390 -- 1200 Baud
W4GR

6 Meter Repeater

53.110 (-1 MHz)
82.5 PL Tone

D-Star

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

Main Repeater Site

Oak Street, Lawrenceville

Backup Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Bogan Road, Buford

Goshen Springs Road,
Norcross

Lanier Mountain, Snellville

Net Needs Net Control Operators!

If you would like to be net control and learn how to operate the net, contact Scott, KF4PWI. We are looking for 2m and 6 m net control operators to fill in the empty spaces in the rotation.

kf4pwi@arrl.net

- ARRL to Offer Award for 6 Meter Operations:

Attention 6 meter operators -- there's a new award to work toward! The ARRL Board of Directors approved a new award honoring the late Fred Fish, W5FF, the only amateur who worked and confirmed all 488 grid squares in the 48 contiguous United States on 6 meters. The Fred Fish Memorial Award will be granted to any amateur who duplicates Fish's accomplishment. Fish was a mainstay on the VHF+ bands for many years, having achieved Worked All States (WAS) on 6 meters through 432 MHz, as well as DXCC for 6 meters.

GARS

APPAREL ORDER FORM

NAME: _____ PHONE # _____

CALL: _____

NAME TO BE EMBROIDERED: _____

CALL SIGN TO BE EMBROIDERED: _____

ITEM	SIZE	QUANTITY	PRICE	TOTAL
T-SHIRT				
Red WITHOUT name & call			\$20.00	
White WITHOUT name & call			\$20.00	
Red WITH name & call			\$20.00	
White WITH name & call			\$20.00	
GOLF SHIRT -- WITHOUT name & call				
Red			\$24.00	
White			\$24.00	
GOLF SHIRT -- WITH name & call				
Red			\$28.00	
White			\$28.00	
SWEATSHIRT				
Red WITHOUT name & call			\$30.00	
White WITHOUT name & call			\$30.00	
Red WITH name & call			\$30.00	
White WITH name & call			\$30.00	
LIGHTWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$31.00	
WITH name & call			\$35.00	
HEAVYWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$41.00	
WITH name & call			\$45.00	
GARS BADGE -- WITH name & call			\$9.00	
HAT -- WITHOUT name & call				
Red			\$9.00	
White			\$9.00	
HAT -- WITH name & call				
Red			\$14.00	
White			\$14.00	

TOTAL ORDER PRICE: _____

Please attach your check made payable to GARS and return to Amy Woodrick, KE4IKF or mail to:

GARS
P.O. Box 88
Lilburn, Georgia 30048

NOTE: Please allow at least 4 weeks for delivery of items. Some items may need to be special ordered.

Thanks and 73s! -- Amy KE4IKF

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048

MEMBERSHIP APPLICATION

NEW MEMBER

RENEWAL

Amateur Call Sign _____ License Class Novice Technician General
Advanced Extra

Name _____

Address _____

City _____ State _____ Zip _____ - _____

Email address _____

Home Telephone _____ Work Telephone _____

Cell Telephone _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

ARRL Member Yes No Life

Interests _____

I prefer to receive the GARZETTE newsletter by: US Mail Email (please check only one)

Type of Membership

Optional Contributions

Individual \$30.00 annually
Student \$15.00 annually
Senior \$15.00 annually (over age 65)
Family ** \$35.00 annually

Repeater Fund \$ _____

Scholarship Fund \$ _____

** Available for family members residing at the same address

Additional Family Members **

Name _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

Name: _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

I agree to abide by the By-Laws of the Gwinnett Amateur Radio Society and understand that membership is subject to the approval of the Club.

Applicant Signature _____ Date ____ / ____ / ____

GARS Appreciates these fine sponsors that support our great organization!

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CENTER, INC.**

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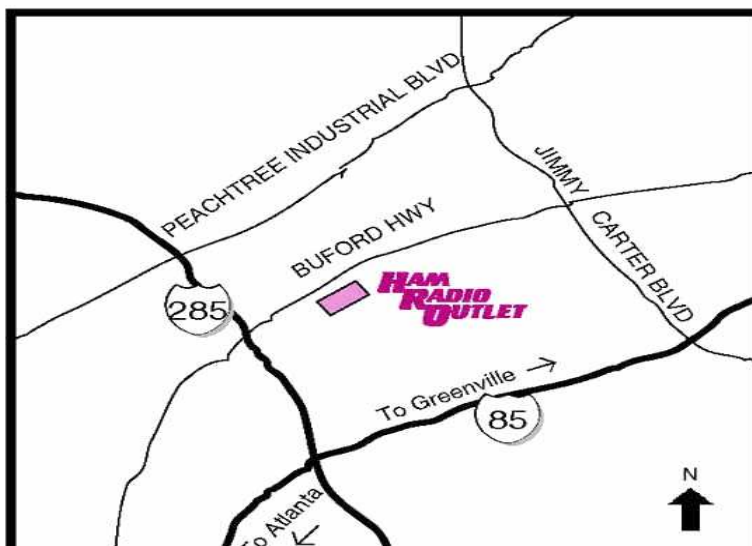
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Van Gorden

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048



To receive the **Garzette** via e mail contact, please contact the membership chairman

Saturday Morning

Breakfast

Join us at the Golden Coral
on Riverside Drive in

Lawrenceville at 7:30 a.m.

Next Meeting

Tuesday, February 12th

The Meetings are on the
Second Tuesday of the
month 7:30pm at the
St Marguerite
D'Youville Church,

85 Gloster Rd NW,

Lawrenceville, GA 30044.
Just off Highway 29 SW
of Lawrenceville.

Directions on the Web
site.

<http://www.gars.org>

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Top Agent



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Extra Time, Effort and Dedication.
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that Commitment.

Call me for when You or Your Friends
and Family are ready to Make a Move.

**References available upon Request